

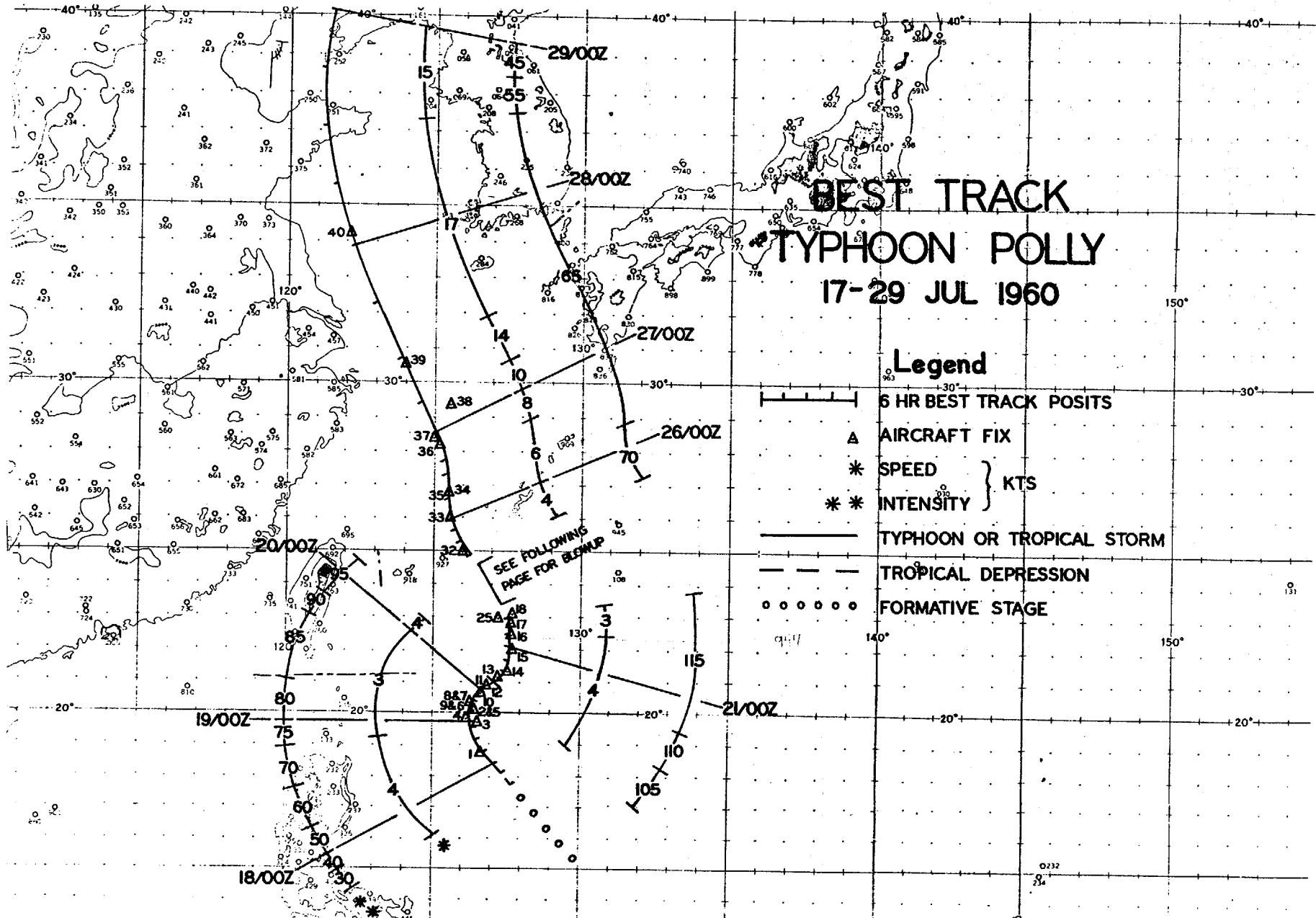
F. TYPHOON POLLY (171200Z-290000Z JULY 1960)

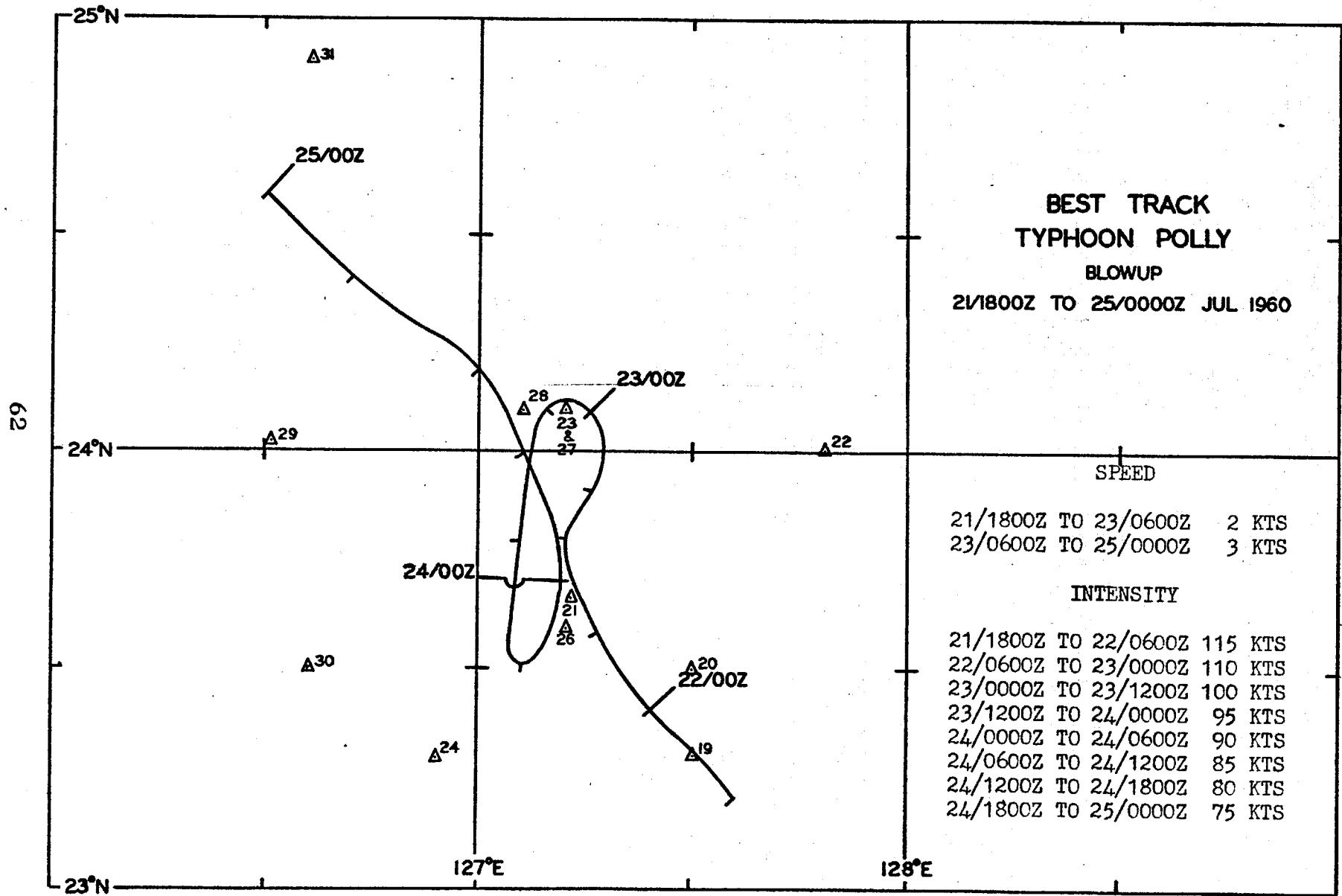
It is difficult to accurately determine the origin of POLLY; however, the depression that ultimately became POLLY appeared to have been quasi-stationary in the Yap-Koror area until 14 July, and then it moved NNW. This same depression appears to have passed several hundred mi S of Guam on 3 July. A warning was issued on this low (T.D. 7) at 171200Z, indicating maximum surface winds of 25 kts. Post-analysis indicates that POLLY became a storm at 171800Z and a typhoon at 181200Z with maximum winds of 70 kts near the center. The track of this typhoon until 211800Z was that of an inverted "S" with an average speed of 4 kts. POLLY then moved at an average speed of 2 kts until it reached a point 130 mi S of Naha, Okinawa at 230000Z. During this time POLLY continued to intensify until the surface winds reached 115 kts. The typhoon then became quasi-stationary until 241200Z, and actually completed a counterclockwise track through 360 degrees with an average movement of 2 kts between 230000Z and 240600Z. During this circuit the surface winds slowly decreased to 75 kts. The typhoon was 115 mi W of Naha, Okinawa at 260200Z becoming less intense and accelerating as it moved up the Yellow Sea toward Port Arthur. POLLY was moving at 17 kts by 271200Z and was downgraded to a storm at 281200Z when it was 270 mi W of Seoul, Korea.

When POLLY became a tropical storm the 180000Z surface chart indicated that easterlies extended from 30N to 10S latitude, with only a few troughs or vortices imbedded therein near the equator. This placed POLLY at the W or the downwind end of the easterlies. There was a large thermal low of 992 mb centered near 37N 103E on the Asiatic mainland. Such a synoptic pattern would suggest that the airflow over the W Pacific would be E-W to near the Asiatic mainland and the Philippines; then flow N or NNE along the E coast of the Asiatic mainland. This indicated a general track to the north for Typhoon POLLY to near 30-35N, and then a recurvature to the NE.

The average track of POLLY from first to last warning was 344 degrees. POLLY traveled 1550 mi from first to last warning over a period of 11 and one half days, at an average speed of 6 kts or 135 mi per day. The minimum speed was 2 kts on 22-23 July, and the maximum speed was 17 kts on 27-28 July.

The fact that POLLY "looped" is the only unusual feature associated with this typhoon. The eye diameter varied from 10 to 60 mi, and was reported most frequently as 25 mi in diameter.





RECONNAISSANCE AIRCRAFT FIXES - TYPHOON POLLY

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MIN SLP MBS	MAX SFC WND	MIN 700MB HGT	MAX 700MB WND	700MB TT/Td (°C)	EYE CHARACTERISTICS
63	180725Z	18.8N	126.8E	56-P-5	990	75	10260	55	13/8	ELLIP 15X10 MI
	190112Z	20.1N	126.4E	315-P-20	--	50	--	--	-/-	22 MI WIDE WALL CLD NW
	190300Z	19.8N	126.5E	315-P-5	--	85	9320	--	17/-	DIFFUSE 20 MI WIDE
	190400Z	19.9N	126.2E	VW1-R-5	--	--	--	--	-/-	CIRC DIA 25 MI
	190700Z	20.1N	126.4E	315-P-5	--	90	9280	--	18/-	DIFFUSE 20 MI WIDE
	190800Z	20.2N	126.4E	56-P-5	--	--	--	--	16/10	DIFFUSE OPEN S & W
	190911Z	20.2N	126.3E	56-P-5	--	70	9410	--	17/11	DIFFUSE ELLIP
	191430Z	20.2N	126.1E	VW1-R-10	--	--	--	--	--	CIRC DIA 35 MI
	191500Z	20.3N	126.3E	VW1-R-05	--	--	--	--	--	--
	192245Z	20.7N	126.7E	56-P-04	962	90	9590	65	18/13	CIRC DIA 25 MI
	200330Z	20.9N	126.9E	315-P-05	--	100	--	--	--	CIRC DIA 30 MI
	200400Z	20.9N	126.9E	56-P-1/4	957	95	9470	--	15/13	CIRC DIA 10 MI
	200930Z	21.2N	127.2E	56-P-03	955	90	8830	80	17/12	CIRC DIA 25 MI
	201522Z	21.3N	127.5E	VW1-R-03	--	--	--	--	--	CIRC DIA 26 MI
	202245Z	22.0N	127.8E	56-P-04	954	125	9120	115	16/15	CIRC DIA 25 MI
	210330Z	22.4N	127.8E	315-P-05	--	125	8630	60	18/-	CIRC DIA 20 MI
	210930Z	22.8N	127.7E	56-P-02	952	90	8710	84	17/15	CIRC DIA 20 MI
	211511Z	23.1N	127.8E	VW1-R-05	--	--	--	--	--	ELONGATED 35 MI DIA
	212141Z	23.3N	127.5E	56-P-05	953	90	8860	85	14/12	CIRC DIA 40 MI
	220400Z	23.5N	127.5E	315-P-05	--	110	8830	--	18/-	CIRC DIA 30 MI
	220926Z	23.7N	127.2E	56-P-05	950	75	9370	70	13/11	CIRC DIA 18 MI OPEN SE
	222100Z	24.0N	127.8E	56-P-05	952	65	8980	80	14/14	DIFFUSE

RECONNAISSANCE AIRCRAFT FIXES - TYPHOON POLLY (CONT'D)

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MIN	MAX	MIN	MAX	700MB	TT/Td (°C)	EYE CHARACTERISTICS
					SLP MBS	SFC WND	700MB HGT	700MB WND			
23	230600Z	24.1N	127.2E	315-P---	--	--	9430	--	17/-	- - - - -	
24	230904Z	23.2N	126.9E	56-P-05	966	60	9130	90	15/13	CIRC DIA 10 MI DIFFUSE	
25	231456Z	23.0N	127.1E	VW1-R-05	--	--	- -	- -	- -	- -	CIRC DIA 40 MI
26	232121Z	23.6N	127.2E	56-P-07	970	--	9320	50	18/18	DIFFUSE	
27	240415Z	24.1N	127.2E	315-P-05	--	--	9550	--	14/-	CIRC DIA 60 MI OPEN NW	
28	240921Z	24.1N	127.1E	56-P-05	979	--	9440	60	13/12	DIFFUSE	
29	241558Z	24.0N	126.5E	VW1-R-15	--	--	- -	- -	- -	- -	EYE NOT DEFINED
30	242100Z	24.5N	126.6E	56-P-03	984	--	9680	63	12/07	DIFFUSE NO WALL CLDS	
64	31	250330Z	24.9N	126.6E	315-P-05	--	75	9580	--	15/-	EYE NOT DEFINED
	32	250931Z	25.0N	126.0E	56-P-02	--	75	9550	60	13/13	NO VISIBLE EYE
33	260002Z	26.0N	125.6E	56-P-03	--	65	--	--	- - -	50 MI DIA OPEN S	
34	260455Z	26.7N	125.5E	315-----	--	75	--	--	- - -	- - -	
35	260945Z	26.8N	126.5E	56-P-05	990	80	9740	65	13/13	CIRC DIA 20 MI	
36	261525Z	28.1N	125.1E	VW1-R-20	--	--	- - -	- -	- - -	HVY SPIRAL BANDS	
37	262200Z	28.2N	125.0E	56-P-10	992	65	9470	83	15/12	CIRC DIA 30 MI	
38	270545Z	29.3N	125.4E	315-P---	--	60	9690	--	- - -	NO EYE FOUND	
39	271132Z	30.6N	124.0E	56-R---	--	--	--	--	- - -	- - -	
40	280020Z	34.2N	122.1E	315-P-05	--	45	9640	--	14/-	CIRC DIA 18 MI DIFFUSE	

TYPHOON POLLY 17-29 JULY 1960
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HR. ERROR	48 HR. ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
171200Z	17.7N	127.6E	-----	-----
171800Z	18.1N	127.4E	-----	-----
180000Z	18.4N	127.1E	-----	-----
180600Z	18.8N	126.9E	-----	-----
181200Z	19.1N	126.6E	-----	-----
181800Z	19.5N	126.5E	-----	-----
190000Z	19.7N	126.4E	301-278	-----
190600Z	20.0N	126.3E	244-46	-----
191200Z	20.3N	126.4E	248-72	-----
191800Z	20.6N	126.5E	261-93	-----
200000Z	20.8N	126.7E	263-122	340-372
200600Z	21.0N	127.1E	003-165	259-170
201200Z	21.3N	127.3E	314-67	259-210
201800Z	21.7N	127.6E	305-75	264-224
210000Z	22.1N	127.8E	316-44	263-256
210600Z	22.5N	127.8E	228-20	338-85
211200Z	23.0N	127.7E	108-70	028-92
211800Z	23.2N	127.6E	129-96	044-118
220000Z	23.4N	127.4E	100-155	066-155
220600Z	23.6N	127.3E	302-70	084-194
221200Z	23.8N	127.2E	004-74	090-296
221800Z	23.9N	127.3E	358-83	097-255
230000Z	24.1N	127.3E	027-64	090-392
230600Z	24.1N	127.2E	010-67	336-132
231200Z	23.8N	127.1E	351-98	353-211
231800Z	23.5N	127.1E	259-14	352-242
240000Z	23.7N	127.2E	005-16	007-223
240600Z	24.0N	127.1E	162-17	001-217
241200Z	24.2N	127.0E	159-32	005-210
241800Z	24.4N	126.7E	160-77	172-61
250000Z	24.6N	126.5E	041-65	132-55
250600Z	24.9N	126.2E	039-86	143-88
251200Z	25.2N	125.9E	060-84	146-105
251800Z	25.6N	125.8E	089-78	150-165

TYPHOON POLLY 17-29 JULY 1960
POSITION AND FORECAST VERIFICATION DATA (CONT'D)

DTG	STORM POSITION		24 HR. ERROR	48 HR. ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
260000Z	26.0N	125.6E	141-24	053-103
260600Z	26.6N	125.5E	143-35	032-163
261200Z	27.2N	125.4E	168-52	078-106
261800Z	27.7N	125.2E	173-69	119-122
270000Z	28.5N	125.0E	119-48	165-100
270600Z	29.4N	124.5E	112-87	158-137
271200Z	30.7N	123.9E	120-156	162-209
271800Z	32.3N	123.1E	115-199	162-294
280000Z	33.9N	122.3E	132-240	118-305
280600Z	35.5N	121.6E	-----	-----
281200Z	37.1N	121.2E	-----	-----
281800Z	38.6N	121.1E	-----	-----
290000Z	40.1N	121.4E	-----	-----

AVERAGE 24 HOUR ERROR 85 MI
AVERAGE 48 HOUR ERROR 184 MI

